

WSR-88D HMT Training Course Description
AWIPS Version (October 1999 through February 2000)

Module 1 - AWIPS and UCP Job Sheets (10 hours)

Prerequisite: none

An ordered list of AWIPS and UCP job sheets will guide the student to the specific job sheets to be done and in what order. Although this section is self-directed, we request that the SOO or Training Officer be available to answer questions and assist the student in reviewing. This material can be completed as best fits the student's schedule between teletraining sessions.

AWIPS/UCP Proficiency Exam - This exam, administered by the SOO or training officer, may be taken upon completion of the job sheets. Students may take this exam anytime during the course, although it is *recommended* that the exam be completed before Module 6.

Module 2 Precursor - Precursor: Introduction to the WSR-88D (1 hour)

Prerequisite: none

This paper module must be completed by the students before Module 2.

Module 2 - Introduction to the WSR-88D (2 hours)

Prerequisite: Module 2 precursor

This web-based module will provide a system description covering the equipment groups (RDA, Wideband Communications, RPG, and Users) and their primary subcomponents.

Module 3 - UCP Control and System Operations (8 hours)

Prerequisite: Module 2

This CBT Module on CD-ROM will provide an understanding of the Unit Control Position. This CD-ROM will also contain some material on WSR-88D System Operations that will be optional for the HMTs.

Module 4 - Base Product Interpretation and Data Quality (Two 2-hour sessions)

Prerequisite: Module 2

This teletraining module will be taught in two 2-hour sessions. The material will focus on data quality problems that can occur with all WSR-88D products and how to recognize them. The module will also provide an overview of all the Base Products, and specific interpretation skills for velocity products.

Module 5 - Clutter Suppression and Precipitation Processing (Two 2-hour sessions)

Prerequisite: Modules 2 and 4

This teletraining module will be taught in two 2-hour sessions. The material presents how clutter suppression works and how it is implemented. The remainder of the module covers precipitation processing, which is greatly impacted by clutter suppression.

Written Exam 1 - This exam will be multiple choice and administered by the SOO or Training Officer. It will cover the material from Modules 2, 4, and 5. Students may take this exam at any time after completion of Module 5, though it is *recommended* that the exam be completed prior to Module 6.

Module 6 - Derived Product Interpretation and Optimization (Two 3-hour sessions)

Prerequisite: Modules 2, 4 and 5

This teletraining module will be taught in two 3-hour sessions. The Derived Products and their applications will be presented, along with adjustments to adaptable parameters that will optimize performance.

Written Exam 2 - This exam will be multiple choice and administered by the SOO or Training Officer. It will cover the material from Modules 3 and 6.

Course Certificates will be awarded upon successful completion of the AWIPS/UCP Proficiency Exam and Written Exams 1 and 2. A combined score of 70% or greater on the three exams is necessary for successful completion.